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by the

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1. INTRODUCTION

This BULLETIN describes the reported rabies cases in Europe for the fourth quarter 1985. The situation in general appears under 2., and in individual countries under 2.1 to 2.27.

Rabies data for the prevailing quarter have not yet been received for the European part of the Union of Soviet Socialist Republics (USR).

In the miscellaneous section under 3.1 a review is given of all rabies cases, usually presented in the table 'other animal species', reported to the Collaborating Centre for Rabies Surveillance and Research, Tübingen, from its beginning in 1977. They are the animals less frequently involved in the rabies epizootiology. In 3.2 there are more bat rabies cases from Denmark (DEN) reported and in 3.3 a human rabies case is described in Finland (FIN), possibly of bat origin.

The rabies case data are tabulated for the fourth quarter 1985 as well as for the whole year 1985 under 4. Two additional tables (6 and 7) refer to the text under 3.1.

The last part lists the official contributors to the BULLETIN.

The geographical distribution of cases in Europe of the fourth quarter 1985 is shown on the maps of Europe and Turkey in the Annex.

2. RABIES IN EUROPE, 4TH QUARTER 1985

During the fourth quarter 1985, 5048 cases of rabies were reported in Europe. These were 3876 cases in wild animals (76.8%) and 1171 cases in domestic animals (23.2%). Of the cases in wild animals 3454 (68.4% of total) were foxes, 59 badgers, 140 other mustelids, 178 deer and 45 other and unspecified species. Of the 1171 cases in domestic animals 260 were dogs (of which 182 (70%) were reported from Turkey), 225 cats, 494 cattle, 31 horses, 143 small ruminants and 18 other domestic animals. Tables 4 and 5 of this BULLETIN list 'other animal species', less frequently involved in rabies.

Rabies-free countries in Europe participating in the surveillance are: Bulgaria, United Kingdom, Ireland, Iceland, Norway, Spain and Sweden. Denmark and Finland are rabies-free in regard to terrestrial animals but Denmark reported bat rabies cases and Finland one human case possibly of bat origin (see under 3.3 of this BULLETIN). There were no cases reported for this quarter from Greece, the Netherlands and Portugal.

One human case was reported from Finland.

The number of rabies cases in 1985 totals 19 044. This is a reduction compared to 1984 (23 618) by 19.4%.

The four quarters for 1985 compare as follows:

1st quarter	-	5092
2nd quarter	-	4173
3rd quarter	-	4731
4th quarter	-	5048.

Individual country reports follow:

2.1 Rabies in Austria (AUT)
by E. Scharfen

During the fourth quarter 1985, rabies was diagnosed in 407 animals. In comparison with the previous quarter there was a decrease by 4.9%. Among 356 rabid wild animals (87.5% of total), 315 were foxes, (77.4%), 15 badgers (3.7%), 13 roe deer (3.2%), 11 martens (2.7%) and 2 polecats. Of 51 rabid domestic animals (12.5%), 29 were cattle (7.1%), 15 cats (3.7%), 5 sheep (1.2%) and 2 dogs (0.5%).

The epizootic progresses in a wide circle from Carinthia (districts -Bezirke- of Wolfsberg, Völkermarkt, St. Veit an der Glan) via Styria (districts of Deutschlandsberg, Voitsberg, Knittelfeld, Judenburg, Murau, Liezen) into the federal province (Bundesland) Salzburg (districts of St. Johann im Pongau, Zell am See, Hallein).

The rabies situation in Vorarlberg (all districts) remained unchanged.

There were single cases in Tyrol in the district of Reutte at the northern state border.

Upper Austria registered a few new cases in its southern part (district of Gmunden).

In Lower Austria, the number of cases north of the river Danube in the districts of the Wald- and Mühlviertel decreased clearly.

There were rabies cases in the Burgenland in the district of Oberpullendorf; from here the epidemic moves into the southernmost district of Lower Austria (Wiener Neustadt).

Rabies-free during the period reported on are the federal provinces Vienna and in Upper Austria, all districts of the Mühlviertel to the north of the river Danube.

In 1985 1744 cases of rabies were diagnosed in animals, in comparison with 1984 (1422 cases) an overall increase by 22.6%. Among 1633 rabid wild animals 1424 were foxes (1984 - 1173), 103 badgers (75), 52 roe deer (61), 46 marten (19) and 8 others (13). Among 111 rabid domestic animals 52 were cattle (1984 - 39), 41 cats (26), 11 sheep (9), 6 dogs (6) and 1 donkey (1 horse). There was an increase in domestic animals in 1985 by 37% compared to the previous year (81).

2.2 Rabies in Belgium (BEL)
by Jg. Fontaine

During the fourth quarter 1985, 169 rabies cases were registered in 69 communities in 60 foxes, 74 cattle, 16 sheep, 2 goats, 4 dogs, 8 cats, 3 pigs, 1 badger and 1 marten.

In comparison with the previous quarter a slight increase of cases can be noticed, affecting entirely the provinces of Liège and Luxembourg (95 % of total cases) and they are due to an increase of rabies cases in cattle and sheep.

Considering the total of the year, a few cases occurred along the river Meuse in the province of Liège but, until now at least, these foci remained sporadic and did not expand. The evolution rather indicates a stagnation within the borders of the enzootic.

It bears out that the disease remains endemic in the forest areas of the provinces Liège, Luxembourg and the south of Namur.

2.3 Bulgaria (BUL)

The country remained rabies-free.

2.4 Rabies in Czechoslovakia (CZE) by M. Capka and J. Neumann

In the 4th quarter of 1985 the number of ascertained rabies cases was about the same as in the 3rd quarter (317). Of the total of 327 cases, 282 occurred in the Czech Socialist Republic and 45 in the Slovak Socialist Republic. The fox accounted for the majority of cases - 292. In regard to other wildlife species, rabies was diagnosed in 3 roe-deer, in 1 marten and in 1 polecat. Regarding the domestic animals, the majority of rabies cases occurred in cats (16) and dogs (11). Furthermore, there were 2 cases in poultry and 1 in a polar fox (as fur-bearing animal).

The number of diagnosed rabies cases in 1985 was 32% lower than in 1984. Altogether rabies was diagnosed in 1492 foxes, 61 cats, 43 dogs, 20 roe-deer, 16 martens, 8 badgers, 2 cattle, 2 poultry, 2 wild cats, 1 sheep, 1 goat, 1 polar fox and 1 polecat. The future development will show how the extensive shooting of foxes and/or the regular 4 year cyclic fluctuation have influenced this decline of rabies occurrence.

No case of rabies was recorded in man.

2.5 Rabies in Germany, Democratic Republic (DDR)

During the fourth quarter 1985, 403 rabies cases were diagnosed in the Democratic Republic of Germany, 30 cases more than during the previous quarter. Of these were 229 (74.2%) in wild animals - 264 foxes, 2 badgers, 14 other mustelids, 19 roe deer, and 104 (25.8%) in domestic animals - 14 dogs, 30 cats, 28 cattle, 4 horses, 27 sheep, 1 other domestic animal. All 15 Bezirke (departments) of the country are affected by the disease. There were concentration of cases in the Bezirke Suhl (54) and Erfurt (52).

The annual total amounts to 1405 rabies cases. The Bezirke along the western border reported all more than 100 cases, the cases in the central and eastern parts of the country were less densely distributed.

The foxes take with 72.5% (1018 cases) the greatest share of the total cases, followed by the cats (5.8%), the sheep (4.8%) and the cattle (4.7%). While 30 farm animals (12 cattle, 18 sheep) were registered rabid during the first half of 1985, 108 (54 cattle, 50 sheep) were registered during the second half, showing the increased exposure of these animals to the rabid fox during the pasture season.

2.6 Denmark (DEN)

The country remained rabies-free in regard to terrestrial animals, but see the article on bat-rabies under 3.2 of this BULLETIN.

2.7 Rabies in Germany, Federal Republic (DEU)

A total of 1933 rabies cases were reported during the fourth quarter 1985. 81.5% (1576 cases) were in wild animals - 1346 foxes, 27 badgers, 79 stone martens, 1 polecat, 1 ferret, 112 roe deer, 6 fallow deer, 1 wild boar, 1 wild rabbit, 1 hare and 1 unidentified rodent. In domestic animals 17 dogs, 53 cats, 203 cattle, 65 sheep, 1 goat and 18 horses were reported rabid.

Concentration of rabies cases were reported as in the previous quarter: in the Regierungsbezirke (departments) of Cologne (155 cases), Kassel (270 cases), Freiburg (286 cases) and Tübingen (214 cases). All other departments report less than 100.

The annual total amounts to 6862 rabies cases. Compared to 1984 (7055 cases) there is a reduction by 2.7%.

Looking at the distribution of domestic pasture animals (cattle, small ruminants and horses), it can be noticed that during the first half of 1985 230 animals were diagnosed rabid, but during the second half 522. It shows the dependency on the fox-mediated rabies, as during the winter these animals are kept indoors.

2.8 Finland (FIN)

The country remained rabies-free in regard to terrestrial animals, but see the article on a human rabies case under 3.3 of this BULLETIN.

2.9 Rabies in France (FRA) by J. Blancou

504 rabies cases were reported during the fourth quarter 1985, 1 case less than during the previous quarter. 388 cases were registered in the fox (77% of total), 17 in other wildlife species and 99 in domestic animals (11 dogs, 29 cats, 34 cattle, 18 small ruminants, 6 horses and 1 lama). The highest figures were noted during this quarter in the départements (departments) des Vosges (75 cases), du Val d'Oise (66 cases) and de la Seine et Marne (50 cases).

Except for the region of Paris, the rabies front again remained stable during this quarter.

To judge the rabies situation in 1985 the two main tools of descriptive epidemiology may be used:

- the evolution within space, as localisation of the "rabies front" and
- the evolution within time, expressed as number of cases.

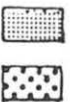
1. The rabies front

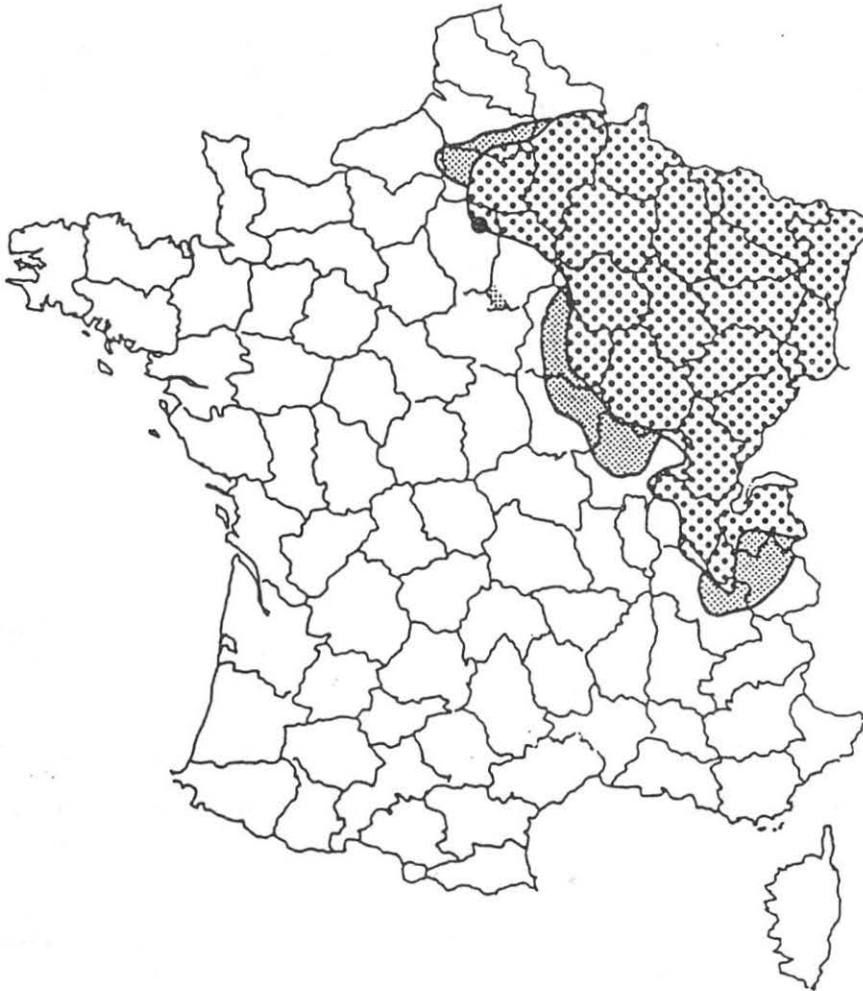
The attached map shows the maximum extension of rabies since 1968 compared to the rabies front on 31st December 1985.

The map indicates that the only substantial advance occurred in the region of Paris. Several areas of the country affected before were not won back by the disease.

2. Number of rabies cases

In 1985 there were 337 rabies cases in domestic and 1676 cases in wild animals, corresponding to a 43.7% and 26.2% decrease respectively in comparison with 1984.

- 
 Maximum extension of rabies since 1968
 Rabies front on 31st December 1985



2.10 Rabies in Greece (GRE) by E. Tsaglas

During the last quarter of 1985, no case of rabies was reported in Greece.

The quarantine measures which had been taken regarding the last rabies case (July 1985) in Alimos, Attica Province, have been withdrawn three months later (October 1985) by the local veterinary authorities of the department in Pireus.

2.11 United Kingdom (GBR)

The country remained rabies-free.

2.12 Rabies in Hungary (HUN) by L. Koltai

During the fourth quarter 1985, 349 rabies cases were diagnosed in Hungary, 22 cases less than during the same period 1984. The Komitats (departments) mostly affected were Somogy with 54, Fejer with 34, Vas with 28 and Veszprem with 27 cases. They are all located in Transdanubia, with a hilly and wooded habitat and little cultivation. There were only few cases in the Komitats Szolnok (1), Nograd (5) and Bekes (6).

The total of 1985 amounts to 1031 rabies cases, a decrease by 3.7% compared to 1984. 87.6% of the 1031 cases were in foxes, 2% in other wild animals and 10.4% (107 cases) in domestic animals.

2.13 Iceland (ISL)

The country remained rabies-free.

2.14 Ireland (IRE)

The country remained rabies-free.

2.15 Rabies in Italy (ITA) by S. Prosperi

During the 4th quarter 1985, 3 cases of fox rabies were reported. All cases occurred during the month of October in already infected municipalities of Trento province.

In 1985 a total of 122 cases of rabies were diagnosed: 118 in wild animals and 4 in domestic animals (2 cats, 1 dog and 1 heifer). Six provinces of 3 regions (Lombardia, Trentino Alto Adige, Friuli Venezia Giulia) were infected and 19 municipalities were affected for the first time, involving a total area of 708 km².

Here are the results of the annual rabies surveillance carried out in the Alpine zone during 1985:

1. in Piemonte, Liguria, Valle d'Aosta 368 wild animals and 80 domestic animals (of which all proved negative);
2. in Lombardia 2009 wild animals (7 foxes and 1 stone marten proved positive) and 345 domestic animals (1 dog proved positive);

3. in Veneto, Trentino Alto Adige, Friuli Venezia Giulia 3991 wild animals (94 foxes, 11 badgers, 1 pine marten, 1 stone marten and 3 roe deer proved positive) and 453 domestic animals (2 cats and 1 heifer proved positive).

Under the Ordinance of 24 May 1985 by the Ministry of Health, all dogs and grazing herbivores in the Alpine zone have to be vaccinated with an ERA strain vaccine.

2.16 Rabies in Luxembourg (LUX)

by R. Frisch

During the fourth quarter 1985, there were 28 cases of rabies registered in the Grand Duchy of Luxembourg, 8 cases more compared to the third quarter. Again, mainly the north-east of the country was affected.

Comparing the total of cases in 1984 (64) and 1985 (67), they nearly equal; a difference though was in the distribution of cases: during the previous year they occurred predominantly in the south-east. The 67 rabies cases of 1985 were in the following animals:

1. Rabies in domestic animals:

24 cattle
3 sheep
1 horse, 1 goat and 1 cat

2. Rabies in wild animals:

34 foxes
2 marten and 1 badger

In regard to the control of rabies, from the middle of May 1986 on all dogs above the age of three months of the Grand Duchy are going to be vaccinated. The vaccination is obligatory. Furthermore, the possibility of oral vaccination of foxes has been considered—covering all of the Grand Duchy of Luxembourg and adding a safety belt in the bordering Belgium, France and Germany. Discussions of the Departments of Veterinary Services concerned regarding the organization of this frontier-crossing field trial are at present in full swing.

2.17 Rabies in the Netherlands (NET)

During the fourth quarter 1985, the country remained free of rabies.

2.18 Norway (NOR)

The country remained rabies-free.

2.19 Rabies in Poland (POL)

by A. Badyoczek

306 rabies cases were reported during the fourth quarter 1985; these are 42 cases less than in the previous quarter and 149 cases less than in the analogous period of 1984.

The highest incidence of the disease was in the following districts: Opole Gorzów, Poznań, Szczecin and Bydgoszcz. No rabies cases were registered in the districts Ciechanów, Kraków, Łomża, Piotrków, Przemyśl, Rzeszów, Siedlce, Sieradz, Skierniewice, Tarnów and Zamość.

85% of the total number of rabies cases were reported in wild animals: 69% in foxes, 7.2% in racoon-dogs, 4.6% in roe-deer, 2.3% in marten and 1.9% in other wild animals.

7.5% of rabies cases were reported in farm animals (cattle), 5.6% in cats and 2% in dogs. Rabies in foxes occurred in 34 districts, with the highest frequency in Opole, Gorzów, Poznań, Katowice, Szczecin and Koszalin.

Considering all cases of 1985, a significant decrease can be noticed compared to 1984. There were 1073 cases in 1985, 443 less than in the previous year. Rabies occurred in 42 districts. Seven districts, Kraków, Łomża, Łódź, Piotrków, Rzeszów, Siedlce and Sieradz, were rabies-free.

Figures of rabies cases in the fox have been compared to figures on fox population in several districts. The greatest number of foxes (according to data of the forest department, there is no significant change over the last 10 years) is found in the north-western part of Poland, where the rabies incidence is the highest one as well.

Still, there are other areas densely populated by the fox, i.e. in districts such as Olsztyn, Krosno, Kielce, Białystok, Suwałki and Zamość, where rabies occurs rather rarely or does not occur at all.

2.20 Rabies in Portugal (POR)

No case of rabies was reported during the third quarter 1985.

2.21 Rabies in Romania (ROM)

19 rabies cases were reported in Romania during the fourth quarter of 1985. There is only one province affected with 7 cases (Gorj), the other cases are scattered throughout the country. 13 domestic and 6 wild animals were diagnosed rabid. Looking at the total of the year (74 cases), here again there are more domestic than wild animals affected (51 = 68.9% over 23 = 31.1%).

In comparison with the previous year (140 cases) an overall decrease of 47.1% is noticed.

2.22 Rabies in Spain (SPA)

The country remained rabies-free.

2.23 Sweden (SWE)

The country remained rabies-free.

2.24 Rabies in Switzerland and Liechtenstein (SWI and LIE) by A.I. Wandeler

During the fourth quarter of 1985, the Swiss Rabies Diagnostic Center received 1478 animals for examination. 60 (4%) of these were positive for rabies compared to 1 (14% of 762) in the previous quarter and 93 (8% of 1221) in the fourth quarter of 1984. 52% were observed in foxes, 20% in cattle. An additional 25 foxes, 3 martens, and 1 badger were diagnosed histologically positive in canton Vaud. They bring the total of proven rabies cases to 89 (140 in the previous quarter).

14 of the animals diagnosed rabid originated from a focus in the southern part of canton Aargau. 7 rabid animals are from canton Schaffhausen north of the river Rhein. The majority of all cases concentrate in the Jura Mountains in western and northwestern Switzerland, an area not protected by oral fox vaccination.

In the fourth quarter of 1985 6 persons were bitten by proven rabid animals, 5 by cats and 1 by a fox. The number of people treated for non-bite exposures is not recorded.

2.25 Rabies in Turkey (TUR)

During the third quarter 1985, 289 cases of rabies were reported in Turkey, 36 cases less compared to the previous quarter. 97.2% of the total (281 cases) were in domestic animals.

As Turkey is ruled by a dog-mediated rabies, there are no obvious seasonal changes during the year as in fox-mediated rabies. Interesting though are changes in the annual figures. Here are the total cases per annum as registered at the Centre from 1978 on:

1978	-	1482	1982	-	2172
1979	-	1595	1983	-	1932
1980	-	2088	1984	-	1460
1981	-	2260	1985	-	1284

There is a steady upward trend until 1981 and from then on a steady downward trend.

2.26 Rabies in Yugoslavia (YUG)

During the fourth quarter 1985, 212 cases of rabies were reported in Yugoslavia. 92.5% of the total occurred in wild and 7.5% in domestic

animals. There are 100 more cases reported compared to the third quarter (112 cases), their distribution though remains fairly well the same.

The annual total for 1985 amounts to 833 cases. When sylvatic rabies entered Yugoslavia in 1977 the annual figures continuously went up until 1981 (2116 cases), from there they decreased. Nevertheless, the area covered by the disease has increased.

Urban rabies has occurred in very rare instances. There were again 3 cases during the first half of 1985 (1 dog and 2 cats) in Serbia, potentially of urban rabies. However, the location of the cases makes it difficult to judge if it is in connection with the fox rabies of the north or with the urban rabies of the south.

2.27 Rabies in the Union of the Soviet Socialist Republics (USSR)

Data not received before going to press.

3. MISCELLANEOUS

3.1 Review of to the WHO Collaborating Centre, Tübingen, reported rabies case data in Europe from 1977-1985 usually presented in this BULLETIN under 'Other Animal Species'

In the table 'Other Animal Species' of this BULLETIN animal rabies cases are reported usually less frequently occurring.

Nevertheless, rabies cases in any animal are a potential for further dissemination of the virus and they may become even more dangerous for man when they occur in animals not expected of being involved in rabies.

This article summarizes data at the WHO Collaborating Centre for Rabies Surveillance and Research from 1977 to 1985 for Europe. There are still quite a few information gaps due to the different reporting of the participating countries and the editors appeal to the contributors of this BULLETIN to correct and supplement figures so that the improved figures can be considered in one of the next summary reports.

Nine years of case data have been averaged in tables 6 and 7 (pages 18 and 19) and species mentioned as far as known. There are still columns where the word 'other' often does not allow any further specification. More accurate recording and reporting from now on should improve this situation. However, the 'Other Animal Species' make up ca. 1.3% of the total in our main tables and of these only 30-40% of the animals are at present in the BULLETIN not named or reported as not specified.

Wild animals.

Looking at Table 6 confirms the less frequent species as spill-over animals of the fox epizootic in Central Europe and for Turkey of the dog-mediated rabies, except for three species with a greater epidemiological significance: the racoon dog in Poland (POL), the arctic fox

in Norway (NOR) and the bats in the Federal Republic of Germany (DEU), Denmark (DEN), Poland (POL) and possibly Finland (see under 3.3 of this BULLETIN).

During the last years, there is a tendency that racoon dog rabies in the north-east of Poland (POL) increases faster than fox rabies. In certain districts racoon dog cases exceed fox cases and the question arises: does racoon dog rabies continue to depend on fox rabies or is it able to develop its own cycle? (see as well the article of RABIES BULLETIN EUROPE 4/84 pp. 15-17).

There was an outbreak of rabies in arctic foxes in 1980/81 on the Islands of Svalbard, Norway (NOR). This rabies virus strain can clearly be distinguished from red fox- and dog-mediated rabies by using monoclonal antibodies.

Recent rabies isolates of Duvenhage type viruses from bats in Denmark (DEN), Poland (POL) and earlier in the coastal regions of the north of the Federal Republic of Germany (DEU) (see BULLETIN 4/82 pp. 17/18) as well as reports of a human case possibly of bat origin in Finland (FIN) (this BULLETIN 3.2) and the Union of Soviet Socialist Republics (USSR) (personal communication) highlight that the bats are in a greater way affected by rabies as has been assumed. Natural transmission of rabies from insectivorous bats to other terrestrial animals though has not been observed to date. The virus isolates too can be clearly distinguished from red fox- and dog-mediated rabies by using monoclonal antibodies.

Domestic animals.

The two domestic animal species with greater figures in Table 7 need no explanation - the donkey and the pig, except that one species is exposed more to the dog (in Turkey) and the other more to the fox (outdoor-keeping of pigs during sommer in Central Europe). All species in this table lead usually to a dead-end infection.

In regard to the three 'Other' columns of the table, it should be mentioned that usually zoo animals are listed under wild animals, but pets and fur-bearing animals under domestic animals.

3.2 Bat-rabies in Denmark (DEN). by S. Møllgaard

During the 4th quarter 1985, a total of 23 bats have been submitted for rabies-examination, and 9* have been found positive. The positive cases have all occurred in the large dark brown bat (*Eptesicus serotinus*) and only in bats found in poor health condition or dead.

It is unknown how the bat-rabies has entered the Danish population of large dark brown bats and to what extend it occurs within the population.

* Correction: During the third quarter 1985, only one bat was found positive, and not four as reported.

3.3 A human rabies case in Finland possibly of bat origin.
by R. Berger

On October 29th, 1985 a 30-year-old man died of rabies in Helsinki, Finland. The clinical disease started with symptoms of the Guillain-Barré syndrom. Rabies was suspected early because of his multiple exposures to bat bites and the typical clinical signs and symptoms of rabies.

The virological confirmation of the diagnosis of rabies was made post mortem by the direct fluorescent antibody technique and by rabies virus isolation and replication in mice. In preliminary studies with monoclonal antibodies the virus showed close relationship to rabies viruses isolated earlier from bats in Germany and lately in Denmark. Further characterization of the virus has been started.

The patient was never vaccinated against rabies. He had on several occasions been bitten by bats in Finland, Central Europe and more than four years ago in the Far East. No other history of exposure to other types of rabies is known.

The Veterinary Department of the Ministry of Agriculture together with laboratories concerned have decided to study the bat populations in Finland for rabies.

This is the first reported case of human rabies in Europe with a bat as possible origin. In Finland the last case of human rabies occurred 50 years ago and the last case of animal rabies was diagnosed 1959 in a dog. The human case report will soon be published in detail by the medical authorities.

TABLE 1

EUR		EUROPE		4/85		RABIES CASES							1.10.85 - 31.12.85			
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
AUT	AUSTRIA	2	15	29	-	5	-	51	315	15	13	13	-	356		407
BEL	BELGIUM	4	8	74	-	18	3	107	60	1	1	-	-	62		169
BUL	BULGARIA	*						0						0		0
CZE	CZECHOSLOVAKIA	11	16	-	-	-	3	30	292	-	2	3	-	297		327
DDR	GERMAN DEM. REPUBLIC	14	30	28	4	27	1	104	264	2	14	19	-	299		403
DEN	DENMARK							0	-	-	-	-	9	9		9
DEU	FED. REP. OF GERMANY	17	53	203	18	66	-	357	1346	27	81	118	4	1576		1933
FIN	FINLAND							0						0	1	1
FRA	FRANCE	11	29	34	6	18	1	99	388	2	9	6	-	405	1	504
GBR	UNITED KINGDOM	*						0						0		0
GRE	GREECE	*						0						0		0
HUN	HUNGARY	11	13	10	-	1	-	35	307	1	2	4	-	314		349
IRE	IRELAND	*						0						0		0
ISL	ICELAND	*						0						0		0
ITA	ITALY							0	3	-	-	-	-	3		3
LUX	LUXEMBOURG	-	-	11	-	1	-	12	14	-	2	-	-	16		28
NET	NETHERLANDS	*						0						0		0
NOR	NORWAY	*						0						0		0
POL	POLAND	6	17	23	-	-	-	46	211	4	8	14	23	260		306
POR	PORTUGAL	*						0						0		0
ROM	ROMANIA	2	4	6	-	1	-	13	6	-	-	-	-	6		19
SPA	SPAIN	*						0						0		0
SWE	SWEDEN	*						0						0		0
SWI	SWITZERLAND + LIECHT	-	6	12	-	2	-	20	56	4	8	1	-	69		89
TUR	TURKEY	182	28	59	3	4	5	281	-	1	-	-	7	8		289
YUG	YUGOSLAVIA	-	6	5	-	-	5	16	192	2	-	-	2	196		212
TOTAL		260	225	494	31	143	18	1171	3454	59	140	178	45	3876	1	5048
PER CENT		5.2	4.5	9.8	0.6	2.8	0.4	23.2	68.4	1.2	2.8	3.5	0.9	76.8	0.0	100.0

* NO CASES.

TABLE 2

EUR		EUROPE						1985						RABIES CASES				1. 1.85 - 31.12.85	
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL				
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL			
AUT	AUSTRIA	6	41	52	-	11	1	111	1424	103	50	54	2	1633		1744			
BEL	BELGIUM	7	19	160	2	33	3	224	211	3	7	1	-	222		446			
BUL	BULGARIA	*						0						0		0			
CZE	CZECHOSLOVAKIA	43	61	2	-	2	3	111	1492	8	17	20	2	1539		1650			
DDR	GERMAN DEM. REPUBLIC	50	82	66	8	68	3	277	1018	7	42	58	3	1128		1405			
DEN	DENMARK							0					10	10		10			
DEU	FED.REP. OF GERMANY	73	230	520	36	196	4	1059	5053	134	243	358	15	5803		6862			
FIN	FINLAND							0						0	1	1			
FRA	FRANCE	37	87	90	22	99	2	337	1601	15	47	13	-	1676		2013			
GBR	UNITED KINGDOM	*						0						0		0			
GRE	GREECE	1	-	-	-	-	-	1						0		1			
HUN	HUNGARY	35	40	27	-	4	1	107	903	1	2	18	-	924		1031			
IRE	IRELAND	*						0						0		0			
ISL	ICELAND	*						0						0		0			
ITA	ITALY	1	2	1	-	-	-	4	101	11	3	3	-	118		122			
LUX	LUXEMBOURG	-	1	24	1	4	-	30	34	1	2	-	-	37		67			
NET	NETHERLANDS	-	-	-	-	3	-	3	12	1	-	-	-	13		16			
NOR	NORWAY	*						0						0		0			
POL	POLAND	33	87	46	-	-	-	166	746	9	24	75	53	907		1073			
POR	PORTUGAL	*						0						0		0			
ROM	ROMANIA	6	11	14	1	19	-	51	21	1	-	-	1	23		74			
SPA	SPAIN	*						0						0		0			
SWE	SWEDEN	*						0						0		0			
SWI	SWITZERLAND + LIECHT	2	21	27	1	8	-	59	306	13	24	10	-	353		412			
TUR	TURKEY	852	93	226	11	47	29	1258	2	2	-	-	22	26		1284			
YUG	YUGOSLAVIA	10	18	13	-	13	6	60	762	5	-	1	5	773		833			
TOTAL		1156	793	1268	82	507	52	3858	13686	314	461	611	113	15185	1	19044			
PER CENT		6.1	4.2	6.7	0.4	2.7	0.3	20.3	71.9	1.6	2.4	3.2	0.6	79.7	0.0	100.0			

* NO CASES.

1,71/1000
 248207
 14
 2,76

TABLE 3: RABIES CASE RATES (% TOTAL) FOR INDIVIDUAL ANIMAL SPECIES AND FOR TOTAL CASES OF 10 EUROPEAN COUNTRIES RANKING HIGHEST IN 1985.

EUR		EUROPE											1985		1. 1.85 - 31.12.85	
LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
EUROPE																
TOTAL RABIES CASES		1156	793	1268	82	507	52	3858	13686	314	461	611	113	15185	1	19044
PER CENT INVOLVEMENT / COUNTRY																
DEU	FED.REP. OF GERMANY	6.3	29.0	41.0	43.9	38.7	7.7	27.4	36.9	42.7	52.7	58.6	13.3	38.2		36.0
FRA	FRANCE	3.2	11.0	7.1	26.8	19.5	3.8	8.7	11.7	4.8	10.2	2.1	-	11.0		10.6
AUT	AUSTRIA	0.5	5.2	4.1	-	2.2	1.9	2.9	10.4	32.8	10.8	8.8	1.8	10.8		9.2
CZE	CZECHOSLOVAKIA	3.7	7.7	0.2	-	0.4	5.8	2.9	10.9	2.5	3.7	3.3	1.8	10.1		8.7
DDR	GERMAN DEM. REPUBLIC	4.3	10.3	5.2	9.8	13.4	5.8	7.2	7.4	2.2	9.1	9.5	2.7	7.4		7.4
TUR	TURKEY	73.7	11.7	17.8	13.4	9.3	55.8	32.6	0.0	0.6	-	-	19.5	0.2		6.7
POL	POLAND	2.9	11.0	3.6	-	-	-	4.3	5.5	2.9	5.2	12.3	46.9	6.0		5.6
HUN	HUNGARY	3.0	5.0	2.1	-	0.8	1.9	2.8	6.6	0.3	0.4	2.9	-	6.1		5.4
YUG	YUGOSLAVIA	0.9	2.3	1.0	-	2.6	11.5	1.6	5.6	1.6	-	0.2	4.4	5.1		4.4
BEL	BELGIUM	0.6	2.4	12.6	2.4	6.5	5.8	5.8	1.5	1.0	1.5	0.2	-	1.5		2.3
TOTALS FROM 10 COUNTRIES		1146	758	1202	79	473	52	3710	13212	287	432	589	102	14631	0	18341
EQUAL % TOTAL		99.1	95.6	94.8	96.3	93.3	100.0	96.2	96.5	91.4	93.7	97.9	90.3	96.4	0.0	96.3

TABLE 4

EUR		EUROPE		4/85		RABIES CASES 'OTHER ANIMAL SPECIES'										1.10.85 - 31.12.85	
LOCATION		OTHER DOMESTIC ANIMALS					OTHER WILD ANIMALS										TOTAL
CODE	NAME	OTH.DOM CARNIVO	DONKEY	PIG	OTH.DOM HERBIVO	DOMEST FOWL	OTHERS	WOLF	RACON DOG	WILD BOAR	INSECT BAT	HOUSE MOUSE	OTH.SM RODENT	WILD RABBIT	HARE	OTHERS	
BEL	BELGIUM	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3
CZE	CZECHOSLOVAKIA	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	3
DDR	GERMAN DEM. REPUBLIC	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
DEN	DENMARK	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	9
DEU	FED.REP. OF GERMANY	-	-	-	-	-	-	-	-	1	-	-	1	1	1	-	4
FRA	FRANCE	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
POL	POLAND	-	-	-	-	-	-	-	22	1	-	-	-	-	-	-	23
TUR	TURKEY	-	3	-	2	-	-	1	-	-	-	6	-	-	-	-	12
YUG	YUGOSLAVIA	-	-	-	-	-	5	-	-	-	-	-	-	-	-	2	7
TOTAL		1	3	3	2	2	7	1	22	2	9	6	1	1	1	2	63
PER CENT		1.6	4.8	4.8	3.2	3.2	11.1	1.6	34.9	3.2	14.3	9.5	1.6	1.6	1.6	3.2	100.0

TABLE 5

EUR		EUROPE		1985		RABIES CASES 'OTHER ANIMAL SPECIES'												1. 1.85 - 31.12.85											
COUNTRY	OTHER DOMESTIC ANIMALS												OTHER WILD ANIMALS												TOTAL				
	OTH. DOM. CARNIVOR	DONKEY	MULE	HINNY	PIG	OTH. DOM. HERBIVOR	DOMESTIC RABBIT	DOMESTIC FOWL	OTHERS	WOLF	RACCOON	DOG	WILD CAT	RACCOON	WILD BOAR	MOUFLOON	CHAMOIS	INSECTIV BATS	SQUIRREL	BLACK RAT	HOUSE MOUSE	MUSKRAT	OTH. SMALL RODENTS	WILD RABBIT		HARE	OTHERS		
AUT	1																2												3
BEL					3																								3
CZE	1						2					2																	5
DDR					1										1				1										6
DEN																		10											10
DEU		1			1					3		1			7	1								1	1				19
FRA																													2
HUN																													1
POL																					2		2		5				53
ROM																										1			1
TUR																													51
YUG																											5		11
TOT.	1	18	2	1	6	11	2	2	9	4	38	3	3	10	1	1	2	11	3	3	18	2	2	1	6	6		165	
%	0.6	10.9	1.2	0.6	3.6	6.7	1.2	1.2	5.5	2.4	23.0	1.8	1.8	6.1	0.6	0.6	1.2	6.7	1.8	1.8	10.9	1.2	1.2	0.6	3.6	3.6		100.	

TABLE 6

EUR		EUROPE																			1977-1985			RABIES CASES 'OTHER ANIMAL SPECIES'										1. 1.77 - 31.12.85	
COUNTRY	OTHER WILD ANIMALS																						TOTAL												
	ARCTIC FOX	JACKAL	WOLF	RACCOON DOG	WILD CAT	RACCOON	OTH. WILD CARNIVOR	WILD BOAR	MOUFLOON	CHAMOIS	OTHER UNGULATE	HEDGEHOG	INSECTIV BATS	SQUIRREL	MARMOT	BLACK RAT	HOUSE MOUSE	MUSKRAT	OTH. SMAL RODENTS	WILD RABBIT	HARE	OTHERS													
AUT	-	-	-	-	-	-	-	-	5	14	1 ¹⁾	-	-	-	1	-	-	-	-	-	1	6	28												
CZE	1	-	-	-	12	-	4 ²⁾	1	4	-	-	-	-	-	-	1	1	1	-	-	-	13	38												
DDR	-	-	-	1	2	1	-	24	12	-	-	3	-	6	-	2	-	-	1 ³⁾	-	5	11	68												
DEN	-	-	-	-	-	-	-	-	-	-	-	-	4 ⁴⁾	-	-	-	-	-	-	-	-	-	10												
DEU	-	-	4	-	3	21	4 ⁵⁾	37	12	-	6 ⁶⁾	3	1 ⁷⁾	4	-	1	-	1	2	3	6	1	109												
FRA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50												
HUN	-	-	-	-	15	-	-	3	1	-	-	-	-	-	-	-	-	1	-	3	-	6	29												
ITA	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	2												
LUX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1												
NOR	14	-	-	-	-	-	8 ⁸⁾	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15												
POL	-	-	5	221	-	-	9 ⁹⁾	1	22	-	-	4	1 ⁴⁾	31	-	5	-	11	2 ¹⁰⁾	-	12 ¹¹⁾	110	425												
ROM	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	14												
SWI	-	-	-	-	-	1	-	2	-	20	-	-	-	-	3	-	-	-	-	-	-	2 ¹²⁾	28												
TUR	-	6	30	-	-	-	13 ¹³⁾	2	1	-	-	-	-	5	-	2	129	-	1 ¹⁴⁾	-	-	-	176												
YUG	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	282 ¹⁵⁾	284												
TOT.	15	6	41	222	34	23	12	90	34	35	7	10	12	47	4	11	130	14	6	6	24	494	1277												
%	1.2	0.5	3.2	17.4	2.7	1.8	0.9	7.0	2.7	2.7	0.5	0.8	0.9	3.7	0.3	0.9	10.2	1.1	0.5	0.5	1.9	38.7	100.0												

1) 1 ibex,

2) 1 lynx, 2 brown bears, 1 dingo,

3) 1 nutria,

4) eptesicus serotinus,

5) included 2 other fox species,

6) included 1 european bison, 1 ibex, 1 wild horse,

7) 1 bat, not specified,

8) 1 seal,

9) 1 other fox species,

10) included 1 hamster,

11) high figure for 1977 only,

12) 1 shrew, 1 wallaby kangaroo,

13) 2 coyotes,

14) 1 harvest mouse,

15) high figure due to reporting system.

TABLE 7

EUR		EUROPE		1977-1985		RABIES CASES 'OTHER ANIMAL SPECIES'					1. 1.77 - 31.12.85		
LOCATION		OTHER DOMESTIC ANIMALS									TOTAL	UNSPEC.	
CODE	NAME	OTH.DOM. CARNIVOR	DONKEY	MULE	HINNY	PIG	OTH.DOM. HERBIVOR	DOMESTIC RABBIT	DOMEST. FOWL	CAT LIV WILD			OTHERS
AUT	AUSTRIA	-	1	-	-	2	-	-	-	-	2	5	-
BEL	BELGIUM	-	-	-	-	3	-	-	-	-	-	3	-
BUL	BULGARIA	-	-	-	-	1	-	-	-	-	-	1	-
CZE	CZECHOSLOVAKIA	1 ¹⁾	-	-	-	4	2	-	2	-	1	10	-
DDR	GERMAN DEM. REPUBLIC	2 ²⁾	1	-	-	8	-	6	-	-	3	20	-
DEU	FED.REP. OF GERMANY	-	14	1	1	17	1	4	-	1	-	39	225 ⁵⁾
FRA	FRANCE	1 ³⁾	-	-	-	7	1 ⁴⁾	-	-	-	2	11	-
HUN	HUNGARY	-	1	-	-	7	-	-	-	-	2	10	-
LUX	LUXEMBOURG	-	1	-	-	-	-	-	-	-	-	1	-
POL	POLAND	3	-	-	-	8	-	2	1	-	1	15	-
ROM	ROMANIA	-	-	-	-	2	-	-	-	-	18	20	-
SWI	SWITZERLAND + LIECHT	-	3	-	-	4	-	1	1	-	2	11	-
TUR	TURKEY	-	259	12	-	1	43	-	-	-	4	319	861 ⁵⁾
YUG	YUGOSLAVIA	-	1	-	-	2	-	-	-	-	24	27	-
TOTAL		7	281	13	1	66	47	13	4	1	59	492	1086
PER CENT		1.4	57.1	2.6	0.2	13.4	9.6	2.6	0.8	0.2	12.0	100.0	-

1) 1 arctic fox as fur-bearing animal, 2) included 1 mink, 3) 1 ferret, 4) 1 lama, 5) high figure due to reporting system.

AUT AUSTRIA

RABIES CASES

1.10.85 - 31.12.85

LOCATION CODE NAME	DOMESTIC ANIMALS							WILD ANIMALS						HUMAN CASES	TOTAL
	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS	TOTAL		
108 OBERPULLENDORF							0	5	-	-	-	-	5		5
109 OBERWART							0	1	-	-	-	-	1		1
203 HERMAGOR							0	1	-	-	-	-	1		1
204 KLAGENFURT-LAND	-	-	-	-	1	-	1	1	-	-	-	-	1		2
205 SANKT VEIT AN DER GL	-	1	2	-	-	-	3	7	-	-	1	-	8		11
206 SPITTAL AN DER DRAU	-	1	-	-	-	-	1	1	-	-	-	-	1		2
208 VOELKERMARKT	-	-	-	-	1	-	1	3	-	2	1	-	6		7
209 WOLFSBERG	1	3	7	-	-	-	11	32	3	-	3	-	38		49
210 FELDKIRCHEN	-	1	-	-	-	-	1						0		1
308 GAENSERNDORF							0	1	-	-	-	-	1		1
309 GMUEND							0	3	-	-	-	-	3		3
310 HOLLABRUNN							0	2	-	-	-	-	2		2
311 HORN							0	3	-	1	-	-	4		4
312 KORNEUBURG							0	1	-	-	-	-	1		1
313 KREMS AN DER DONAU-L	-	1	-	-	-	-	1	9	1	-	-	-	10		11
315 MELK							0	-	-	1	-	-	1		1
316 MISTELBACH							0	5	-	1	-	-	6		6
322 WAIDHOFEN AN DER THA							0	4	-	-	-	-	4		4
323 WIENER NEUSTADT-LAND							0	3	-	-	-	-	3		3
325 ZWETTL							0	6	-	-	-	-	6		6
404 BRAUNAU AM INN							0	1	-	-	-	-	1		1
407 GMUNDEN							0	4	-	-	-	-	4		4
502 HALLEIN	-	-	1	-	-	-	1	4	1	-	-	-	5		6
504 SANKT JOHANN IM PONG	-	-	5	-	1	-	6	58	-	2	1	-	61		67
505 TAMSWEG	-	1	-	-	-	-	1	-	-	-	1	-	1		2
506 ZELL AM SEE	-	-	3	-	-	-	3	19	-	-	2	-	21		24
603 DEUTSCHLANDSBERG							0	8	-	-	-	-	8		8
608 JUDENBURG	1	1	3	-	-	-	5	41	2	2	-	-	45		50
609 KNITTELFELD							0	6	-	-	-	-	6		6
612 LIEZEN	-	-	-	-	1	-	1	52	-	-	-	-	52		53
614 MURAU	-	2	-	-	-	-	2	-	2	-	-	-	2		4
616 VOITSBERG							0	4	-	-	1	-	5		5
704 KITZBUEHEL							0	-	1	-	-	-	1		1
707 LIENZ							0	2	-	-	-	-	2		2
708 REUTTE							0	5	-	-	-	-	5		5
801 BLUDENZ	-	3	3	-	-	-	6	6	-	-	-	-	6		12
802 BREGENZ	-	-	2	-	-	-	2	5	1	2	3	-	11		13
803 DORNBIRN	-	1	1	-	1	-	3	11	2	2	-	-	15		18
804 FELDKIRCH	-	-	2	-	-	-	2	1	2	-	-	-	3		5
TOTAL	2	15	29	0	5	0	51	315	15	13	13	0	356	0	407
PER CENT	0.5	3.7	7.1	0.0	1.2	0.0	12.5	77.4	3.7	3.2	3.2	0.0	87.5	0.0	100.0

R A B I E S C A S E S

1.10.85 - 31.12.85

LOCATION CODE NAME		D O M E S T I C A N I M A L S						W I L D A N I M A L S						HUMAN CASES	TOTAL	
		DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
BEL B E L G I U M																
HH	HAINHAUT	-	1	-	-	-	3	4	1	-	-	-	-	1		5
LG	LIEGE	1	3	31	-	3	-	38	16	-	-	-	-	16		54
LX	LUXEMBOURG	3	4	40	-	15	-	62	42	-	-	-	-	42		104
NA	NAMUR	-	-	3	-	-	-	3	1	1	1	-	-	3		6
TOTAL		4	8	74	0	18	3	107	60	1	1	0	0	62	0	169
PER CENT		2.4	4.7	43.8	0.0	10.7	1.8	63.3	35.5	0.6	0.6	0.0	0.0	36.7	0.0	100.0
DEN D E N M A R K																
050	SONDERJYLLAND							0	-	-	-	-	2	2		2
055	RIBE							0	-	-	-	-	4	4		4
060	VEJLE							0	-	-	-	-	1	1		1
065	RINGKOBING							0	-	-	-	-	1	1		1
076	VIBORG							0	-	-	-	-	1	1		1
TOTAL		0	0	0	0	0	0	0	0	0	0	0	9	9	0	9
LUX L U X E M B O U R G																
06	CLERVAUX	-	-	7	-	-	-	7	6	-	1	-	-	7		14
07	DIEKIRCH	-	-	2	-	1	-	3	3	-	1	-	-	4		7
08	REDANGE	-	-	2	-	-	-	2	2	-	-	-	-	2		4
09	WILTZ							0	2	-	-	-	-	2		2
13	REMICH							0	1	-	-	-	-	1		1
TOTAL		0	0	11	0	1	0	12	14	0	2	0	0	16	0	28
PER CENT		0.0	0.0	39.3	0.0	3.6	0.0	42.9	50.0	0.0	7.1	0.0	0.0	57.1	0.0	100.0

CZE

C Z E C H O S L O V A K I A

R A B I E S C A S E S

1.10.85 - 31.12.85

LOCATION CODE NAME		D O M E S T I C A N I M A L S						W I L D A N I M A L S						HUMAN CASES	TOTAL	
		DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
00 DISTRICT OF PRAGUE								0						0		0
01 CENTRAL BOHEMIA		-	1	-	-	-	-	1	18	-	-	1	-	19		20
02 SOUTH BOHEMIA		1	1	-	-	-	-	2	50	-	1	-	-	51		53
03 WEST BOHEMIA								0	64	-	-	-	-	64		64
04 NORTH BOHEMIA		1	1	-	-	-	-	2	63	-	-	1	-	64		66
05 EAST BOHEMIA								0	12	-	-	-	-	12		12
06 SOUTH MORAVIA		2	4	-	-	-	1	7	41	-	1	1	-	43		50
07 NORTH MORAVIA		2	-	-	-	-	-	2	15	-	-	-	-	15		17
0 CSR		6	7	-	-	-	1	14	263	-	2	3	-	268		282
10 DISTRICT OF BRATISLAV								0	3	-	-	-	-	3		3
11 WEST SLOVAKIA		1	1	-	-	-	2	4	6	-	-	-	-	6		10
12 CENTRAL SLOVAKIA		2	4	-	-	-	-	6	9	-	-	-	-	9		15
13 EAST SLOVAKIA		2	4	-	-	-	-	6	11	-	-	-	-	11		17
1 SSR		5	9	-	-	-	2	16	29	-	-	-	-	29		45
TOTAL		11	16	0	0	0	3	30	292	0	2	3	0	297	0	327
PER CENT		3.4	4.9	0.0	0.0	0.0	0.9	9.2	89.3	0.0	0.6	0.9	0.0	90.8	0.0	100.0

DDR

GERMAN DEMOCRATIC REPUBLIC

R A B I E S C A S E S

1.10.85 - 31.12.85

LOCATION		D O M E S T I C A N I M A L S						W I L D A N I M A L S						HUMAN CASES	TOTAL	
		DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
01	HAUPTSTADT BERLIN	-	-	-	-	-	-	0	-	-	-	-	-	0	-	0
02	COTTBUS	-	1	-	-	-	-	1	7	-	1	-	-	8	-	9
03	DRESDEN	-	1	6	-	7	-	14	15	-	3	-	-	18	-	32
04	ERFURT	3	5	-	-	5	-	13	38	1	-	-	-	39	-	52
05	FRANKFURT/ODER	1	2	-	-	-	-	3	8	-	-	5	-	13	-	16
06	GERA	-	2	2	-	2	1	7	33	-	-	3	-	36	-	43
07	HALLE	1	4	-	1	-	-	6	18	-	-	-	-	18	-	24
08	KARL-MARX-STADT	-	1	2	-	6	-	9	4	-	1	3	-	8	-	17
09	LEIPZIG	1	2	-	-	6	-	9	14	-	1	-	-	15	-	24
10	MAGDEBURG	2	2	3	2	-	-	9	22	-	1	-	-	23	-	32
11	NEUBRANDENBURG	1	2	-	-	-	-	3	12	-	2	1	-	15	-	18
12	POTSDAM	2	2	1	-	-	-	5	8	-	1	1	-	10	-	15
13	ROSTOCK	1	1	2	1	-	-	5	30	-	-	-	-	30	-	35
14	SCHWERIN	1	4	5	-	-	-	10	14	1	1	4	-	20	-	30
15	SUHL	1	1	7	-	1	-	10	41	-	3	2	-	46	-	56
TOTAL		14	30	28	4	27	1	104	264	2	14	19	0	299	0	403
PER CENT		3.5	7.4	6.9	1.0	6.7	0.2	25.8	65.5	0.5	3.5	4.7	0.0	74.2	0.0	100.0

DEU

FEDERAL REPUBLIC OF GERMANY

R A B I E S C A S E S

1.10.85 - 31.12.85

LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS		
010	SCHLESWIG-HOLSTEIN							0	1	-	-	-	-	1	1
020	HAMBURG							0						0	0
031	BRAUNSCHWEIG	2	4	16	3	6	-	31	56	2	2	7	1	68	99
032	HANNOVER	2	2	17	3	-	-	24	33	-	2	3	-	38	62
033	LUENEBURG	-	-	1	-	-	-	1	8	-	-	2	-	10	11
034	WESER-EMS	-	1	-	-	-	-	1	1	-	-	-	-	1	2
040	BREMEN							0						0	0
051	DUESSELDORF	-	-	2	-	-	-	2	2	-	-	-	-	2	4
053	KOELN	-	5	35	2	5	-	47	98	1	2	7	-	108	155
055	MUENSTER							0						0	0
057	DETMOLD	1	1	7	-	2	-	11	34	-	1	4	-	39	50
059	ARNSBERG	2	-	11	5	4	-	22	60	2	2	6	-	70	92
061	DARMSTADT	1	-	7	-	-	-	8	58	-	7	11	-	76	84
062	KASSEL	2	17	34	2	11	-	66	168	2	10	24	-	204	270
071	KOBLENZ	-	1	9	1	20	-	31	32	1	2	5	-	40	71
072	TRIER	1	1	7	-	4	-	13	27	-	3	4	-	34	47
073	RHEINHESSEN-PFALZ	1	5	4	1	2	-	13	48	3	1	2	-	54	67
081	STUTTGART							0	57	1	1	2	1	62	62
082	KARLSRUHE							0	38	1	5	4	-	48	48
083	FREIBURG	-	6	12	1	5	-	24	220	8	17	15	2	262	286
084	TUEBINGEN	1	1	22	-	3	-	27	156	2	16	13	-	187	214
091	OBERBAYERN	-	2	1	-	-	-	3	30	1	-	-	-	31	34
092	NIEDERBAYERN	1	-	1	-	-	-	2	27	1	-	1	-	29	31
093	OBERPFALZ	1	1	1	-	-	-	3	49	-	1	1	-	51	54
094	OBERFRANKEN	-	2	-	-	1	-	3	30	2	1	2	-	35	38
095	MITTELFRANKEN							0	17	-	2	1	-	20	20
096	UNTERFRANKEN	1	1	-	-	3	-	5	31	-	1	3	-	35	40
097	SCHWABEN	-	1	8	-	-	-	9	50	-	2	-	-	52	61
100	SAARLAND	1	2	8	-	-	-	11	15	-	3	1	-	19	30
110	BERLIN (WEST)							0						0	0
TOTAL		17	53	203	18	66	0	357	1346	27	81	118	4	1576	1933
PER CENT		0.9	2.7	10.5	0.9	3.4	0.0	18.5	69.6	1.4	4.2	6.1	0.2	81.5	100.0

R A B I E S C A S E S

1.10.85 - 31.12.85

LOCATION CODE NAME		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
		DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
FIN FINLAND																
HE HELSINKI								0						0	1	1
ITA ITALY																
38 TRENTO								0	3	-	-	-	-	3		3
SWI SWITZERLAND AND LIECHTENSTEIN																
01 AARGAU								0	13	-	-	1	-	14		14
06 BERN								0	1	-	-	-	-	1		1
07 FRIBOURG		-	-	1	-	-	-	1	1	-	-	-	-	1		2
08 GENEVE								0	-	-	1	-	-	1		1
12 NEUCHATEL		-	-	2	-	-	-	2	3	-	1	-	-	4		6
15 SCHAFFHAUSEN								0	4	3	-	-	-	7		7
18 ST.GALLEN		-	1	1	-	-	-	2						0		2
22 VAUD		-	4	5	-	-	-	9	32	1	6	-	-	39		48
26 JURA		-	1	3	-	2	-	6	2	-	-	-	-	2		8
TOTAL		0	6	12	0	2	0	20	56	4	8	1	0	69	0	89
PER CENT		0.0	6.7	13.5	0.0	2.2	0.0	22.5	62.9	4.5	9.0	1.1	0.0	77.5	0.0	100.0
YUG YUGOSLAVIA																
I SR BOSNA I HERCEGOVI		-	-	1	-	-	-	1	7	-	-	-	-	7		8
III SR HRVATSKA		-	2	4	-	-	5	11	121	2	-	-	1	124		135
V SR SLOVENIJA		-	2	-	-	-	-	2	54	-	-	-	1	55		57
VI1 SAP VOJVODINA		-	2	-	-	-	-	2	10	-	-	-	-	10		12
TOTAL		0	6	5	0	0	5	16	192	2	0	0	2	196	0	212
PER CENT		0.0	2.8	2.4	0.0	0.0	2.4	7.5	90.6	0.9	0.0	0.0	0.9	92.5	0.0	100.0

FRA FRANCE

RABIES CASES

1.10.85 - 31.12.85

LOCATION CODE NAME		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
		DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
01	AIN	-	2	-	-	4	-	6	6	-	-	-	-	6		12
02	AISNE	-	1	-	-	-	-	1	10	-	-	-	-	10		11
08	ARDENNES	-	-	-	-	-	-	0	1	-	-	-	-	1		1
10	AUBE	-	1	-	-	-	-	1	10	1	-	-	-	11		12
21	COTE D'OR	-	1	2	-	-	-	3	11	-	-	-	-	11		14
25	DOUBS	1	3	-	1	2	-	7	24	-	1	-	-	25		32
38	ISERE	-	-	-	-	-	-	0	1	-	-	-	-	1		1
39	JURA	-	1	-	-	-	-	1	7	-	-	-	-	7		8
51	MARNE	-	-	-	-	-	-	0	4	-	-	-	-	4		4
52	MARNE (HAUTE)	-	-	1	-	1	-	2	5	-	-	-	-	5		7
54	MEURTHE-ET-MOSELLE	2	2	7	2	1	-	14	13	-	-	-	-	13		27
55	MEUSE	-	2	9	-	-	-	11	24	-	-	-	-	24		35
57	MOSELLE	-	1	5	-	1	-	7	19	-	-	-	-	19		26
58	NIEVRE	-	-	-	-	-	-	0	2	-	-	-	-	2		2
60	OISE	2	2	1	-	1	-	6	13	-	-	1	-	14		20
67	RHIN (BAS)	-	-	-	-	-	-	0	4	-	-	-	-	4		4
68	RHIN (HAUT)	1	2	-	-	3	-	6	29	-	1	-	-	30		36
70	SAONE (HAUTE)	-	1	-	-	-	-	1	13	-	1	-	-	14		15
73	SAVOIE	-	-	-	-	-	-	0	1	-	-	-	-	1		1
74	SAVOIE (HAUTE)	-	2	1	-	-	-	3	17	1	-	2	-	20		23
77	SEINE-ET-MARNE	-	-	-	1	-	-	1	47	-	-	2	-	49		50
80	SOMME	-	-	-	-	-	-	0	2	-	-	-	-	2		2
88	VOSGES	3	3	7	-	5	1	19	50	-	5	1	-	56		75
89	YONNE	-	-	-	1	-	-	1	11	-	-	-	-	11		12
90	TERR.DE BELFORT	-	-	-	-	-	-	0	2	-	-	-	-	2		2
93	SEINE SAINT DENIS	-	-	-	-	-	-	0	5	-	-	-	-	5		5
95	VAL D'OISE	2	5	-	1	-	-	8	57	-	1	-	-	58		66
99	NO LOCATION	-	-	1	-	-	-	1	-	-	-	-	-	0		1
TOTAL		11	29	34	6	18	1	99	388	2	9	6	0	405	0	504
PER CENT		2.2	5.8	6.7	1.2	3.6	0.2	19.6	77.0	0.4	1.8	1.2	0.0	80.4	0.0	100.0

RABIES CASES

1.10.85 - 31.12.85

LOCATION CODE NAME		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
		DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
HUN HUNGARY																
01	BUDAPEST							0	2	-	-	-	-	2		2
02	BARANYA	1	1	1	-	-	-	3	20	-	-	1	-	21		24
03	BACS-KISKUN	-	1	-	-	-	-	1	17	-	-	-	-	17		18
04	BEKES	-	-	2	-	-	-	2	4	-	-	-	-	4		6
05	BORSOD-ABAUJ-ZEMPLEN							0	13	-	-	-	-	13		13
06	CSONGRAD							0	6	-	1	-	-	7		7
07	FEJER	2	-	3	-	-	-	5	28	-	-	1	-	29		34
08	GYOER-SOPRON							0	11	-	-	-	-	11		11
09	HAJDU-BIHAR	-	4	1	-	-	-	5	8	-	-	-	-	8		13
10	HEVES							0	5	-	-	-	-	5		5
11	KOMAROM	-	1	-	-	-	-	1	19	-	-	-	-	19		20
12	NOGRAD	-	1	-	-	-	-	1	4	-	-	-	-	4		5
13	PEST	1	1	1	-	-	-	3	21	-	-	-	-	21		24
14	SOMOGY	3	1	1	-	-	-	5	47	1	-	1	-	49		54
15	SZABOLCS-SZATMAR	-	2	-	-	1	-	3	14	-	-	-	-	14		17
16	SZOLNOK							0	1	-	-	-	-	1		1
17	TOLNA	2	-	1	-	-	-	3	16	-	-	1	-	17		20
18	VAS							0	28	-	-	-	-	28		28
19	VESZPREM							0	26	-	1	-	-	27		27
20	ZALA	2	1	-	-	-	-	3	17	-	-	-	-	17		20
TOTAL		11	13	10	0	1	0	35	307	1	2	4	0	314	0	349
PER CENT		3.2	3.7	2.9	0.0	0.3	0.0	10.0	88.0	0.3	0.6	1.1	0.0	90.0	0.0	100.0
ROM ROMANIA																
01	ALBA	-	1	-	-	-	-	1						0		1
06	BISTRITA-NASAUD	-	1	-	-	-	-	1	1	-	-	-	-	1		2
11	CARAS-SEVERIN	1	-	-	-	-	-	1						0		1
20	GORJ	-	-	2	-	-	-	2	5	-	-	-	-	5		7
21	HARGHITA	-	2	-	-	-	-	2						0		2
28	NEAMT	1	-	-	-	-	-	1						0		1
36	TIMIS	-	-	1	-	-	-	1						0		1
38	VASLUI	-	-	3	-	-	-	3						0		3
40	VRANCEA	-	-	-	-	1	-	1						0		1
TOTAL		2	4	6	0	1	0	13	6	0	0	0	0	6	0	19
PER CENT		10.5	21.1	31.6	0.0	5.3	0.0	68.4	31.6	0.0	0.0	0.0	0.0	31.6	0.0	100.0

TUR

TURKEY

RABIES CASES

1.10.85 - 31.12.85

LOCATION CODE NAME		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL
		DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS		
001	ADANA	10	-	4	-	-	-	14	-	-	-	-	1	1	15
002	ADIYAMAN	1	-	-	-	-	-	1	-	-	-	-	-	0	1
003	AFYON	3	1	-	2	-	-	6	-	-	-	-	-	0	6
005	AMASYA	-	1	1	-	-	-	2	-	-	-	-	-	0	2
006	ANKARA	-	-	-	-	-	-	0	-	1	-	-	-	1	1
007	ANTALYA	2	1	-	-	-	-	3	-	-	-	-	-	0	3
009	AYDIN	7	-	4	1	-	-	12	-	-	-	-	-	0	12
010	BALIKESIR	3	2	-	-	1	-	6	-	-	-	-	-	0	6
011	BILECIK	8	-	-	-	-	-	8	-	-	-	-	-	0	8
014	BOLU	5	-	1	-	-	-	6	-	-	-	-	-	0	6
015	BURDUR	2	-	-	-	-	-	2	-	-	-	-	-	0	2
016	BURSA	6	-	2	-	1	-	9	-	-	-	-	-	0	9
019	CORUM	4	-	-	-	-	-	4	-	-	-	-	-	0	4
020	DENIZLI	2	3	1	-	-	-	6	-	-	-	1	1	1	7
021	DIYARBAKIR	-	-	1	-	-	-	1	-	-	-	-	-	0	1
022	EDIRNE	1	-	1	-	-	-	2	-	-	-	-	-	0	2
025	ERZURUM	1	1	1	-	-	-	3	-	-	-	-	-	0	3
027	GAZIANTEP	2	1	-	-	-	-	3	-	-	-	-	-	0	3
029	GUEMUESHANE	1	-	-	-	-	-	1	-	-	-	-	-	0	1
031	HATAY	1	-	1	-	-	1	3	-	-	-	-	-	0	3
032	ISPARTA	1	-	-	-	-	-	1	-	-	-	-	-	0	1
033	ICEL	3	1	-	-	-	-	4	-	-	-	-	-	0	4
034	ISTANBUL	14	-	-	-	-	-	14	-	-	-	-	-	0	14
035	IZMIR	18	6	3	-	-	1	28	-	-	-	-	1	1	29
036	KARS	1	1	-	-	-	1	3	-	-	-	-	-	0	3
037	KASTAMONU	3	-	3	-	-	-	6	-	-	-	-	-	0	6

TUR CONTINUED

LOCATION		DOMESTIC ANIMALS						WILD ANIMALS					HUMAN CASES	TOTAL	
		DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER			OTHERS
038	KAYSERI	5	-	3	-	-	-	8						0	8
039	KIRKLARELI	1	-	1	-	-	-	2						0	2
040	KIRSEHIR	-	-	2	-	-	-	2						0	2
041	KOCAELI	1	-	1	-	-	-	2						0	2
042	KONYA	4	3	-	-	-	-	7						0	7
043	KUETAHYA	2	-	1	-	-	-	3						0	3
044	MALATYA	1	-	-	-	-	-	1						0	1
045	MANISA	9	1	1	-	1	2	14						0	14
046	KAHRAMAN MARAS	2	-	3	-	-	-	5						0	5
047	MARDIN	2	-	-	-	-	-	2						0	2
048	MUGLA	5	2	1	-	-	-	8						0	8
051	NIGDE	3	1	2	-	-	-	6						0	6
052	ORDU	4	1	2	-	-	-	7	-	-	-	-	1	1	8
054	SAKARYA	1	-	2	-	-	-	3						0	3
055	SAMSUN	13	1	3	-	1	-	18	-	-	-	-	2	2	20
057	SINOP	7	-	10	-	-	-	17	-	-	-	-	1	1	18
058	SIVAS	3	-	1	-	-	-	4						0	4
060	TOKAT	3	-	-	-	-	-	3						0	3
061	TRABZON	3	-	-	-	-	-	3						0	3
064	USAK	6	-	-	-	-	-	6						0	6
066	YOZGAT	3	-	-	-	-	-	3						0	3
067	ZONGULDAK	5	1	3	-	-	-	9						0	9
TOTAL		182	28	59	3	4	5	281	0	1	0	0	7	8	289
PER CENT		63.0	9.7	20.4	1.0	1.4	1.7	97.2	0.0	0.3	0.0	0.0	2.4	2.8	100.0

POL

POLAND

RABIES CASES

1.10.85 - 31.12.85

LOCATION		DOMESTIC ANIMALS						WILD ANIMALS						HUMAN CASES	TOTAL	
CODE	NAME	DOG	CAT	CATTLE	HORSE	SHEEP GOAT	OTHERS	TOTAL	FOX	BADGER	OTHER MUSTEL	DEER	OTHERS			TOTAL
01	WARSZAWA							0	2	-	-	-	-	2		2
03	BIALA PODLASKA							0	-	-	-	-	1	1		1
05	BIALYSTOK	-	-	1	-	-	-	1	1	-	-	-	-	1		2
07	BIELSKO-BIALA							0	1	-	-	-	-	1		1
09	BYDGOSZCZ	-	2	6	-	-	-	8	9	-	-	-	1	10		18
11	CHELM							0	1	-	-	-	-	1		1
15	CZESTOCHOWA							0	2	-	-	-	-	2		2
17	ELBLAG	-	1	-	-	-	-	1	3	-	1	-	8	12		13
19	GDANSK	-	-	2	-	-	-	2	2	-	-	-	-	2		4
21	GORZOW	1	1	-	-	-	-	2	24	-	-	2	1	27		29
23	JELENIA GORA							0	13	-	2	-	-	15		15
25	KALISZ							0	3	-	-	-	-	3		3
27	KATOWICE	-	1	-	-	-	-	1	15	-	-	-	-	15		16
29	KIELCE	1	2	-	-	-	-	3	3	1	-	-	-	4		7
31	KONIN							0	1	-	-	-	-	1		1
33	KOSZALIN							0	12	-	1	1	-	14		14
37	KROSNO							0	1	-	-	-	-	1		1
39	LEGNICA							0	1	-	-	-	-	1		1
41	LESZNO							0	6	-	-	1	-	7		7
43	LUBLIN							0	1	-	-	-	-	1		1
49	NOWY SACZ							0	2	-	-	-	-	2		2
51	OLSZTYN	-	1	2	-	-	-	3	1	-	-	-	5	6		9
53	OPOLE	-	2	-	-	-	-	2	33	-	-	-	-	33		35
55	OSTROLEKA							0	1	1	-	-	1	3		3
57	PILA	-	1	-	-	-	-	1	8	-	-	1	-	9		10
61	PLOCK	-	1	-	-	-	-	1						0		1
63	POZNAN	1	-	-	-	-	-	1	18	-	1	4	-	23		24
67	RADOM							0	3	1	-	-	-	4		4
77	SLUPSK	-	1	-	-	-	-	1	3	-	-	-	-	3		4
79	SUWALKI	1	-	8	-	-	-	9	-	-	1	-	3	4		13
81	SZCZECIN	-	1	-	-	-	-	1	13	1	1	4	1	20		21
83	TARNOBRZEG							0	4	-	-	-	-	4		4
87	TORUN	1	-	3	-	-	-	4	3	-	-	-	2	5		9
89	WALBRZYCH							0	8	-	-	-	-	8		8
91	WLOCLAWEK	-	1	1	-	-	-	2	3	-	-	-	-	3		5
93	WROCLAW	1	-	-	-	-	-	1	5	-	-	1	-	6		7
97	ZIELONA GORA	-	2	-	-	-	-	2	5	-	1	-	-	6		8
TOTAL		6	17	23	0	0	0	46	211	4	8	14	23	260	0	306
PER CENT		2.0	5.6	7.5	0.0	0.0	0.0	15.0	69.0	1.3	2.6	4.6	7.5	85.0	0.0	100.0

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WHO Coll. Centre
Tuebingen / DEU

Rabies Cases Turkey
4th Quarter 1985

289 cases reported



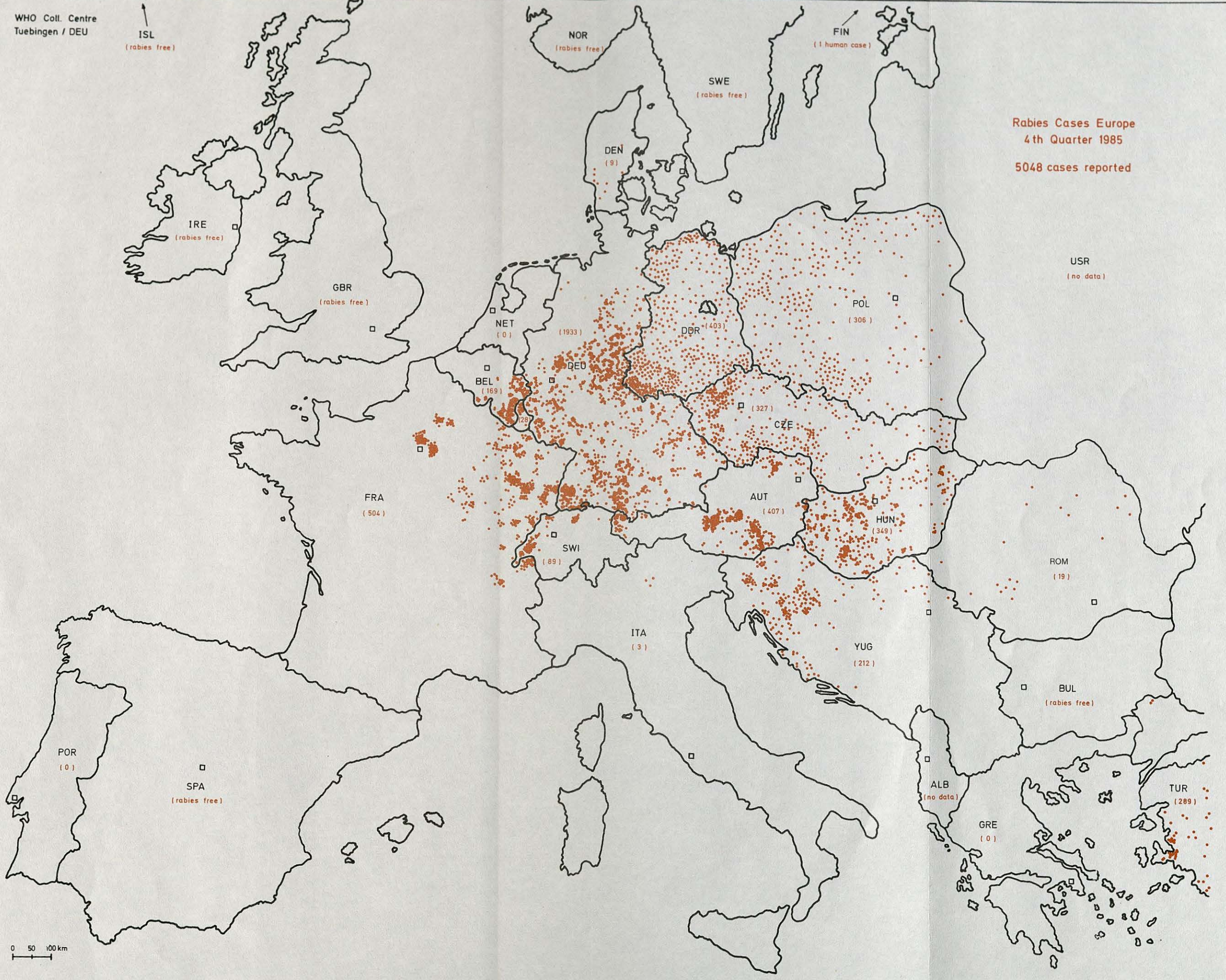
ISL
(rabies free)

NOR
(rabies free)

FIN
(1 human case)

SWE
(rabies free)

Rabies Cases Europe
4th Quarter 1985
5048 cases reported



0 50 100 km